

Georgia High School State Championship
Armstrong State College
March 11-12, 1988
Written by Mike Decker and Tom Waters

Tossups
Round Six

1. It was the first trans-uranic element to be artificially produced and is, as its name suggests, the next one out from Uranium. For 10 points--what is this element?

Answer: Neptunium

2. 750 Jewish civilians possessed nine rifles, fifty-nine pistols, and a few grenades held off the armies of the Third Reich for a month in the spring of 1943, putting up a longer resistance than did several well-armed European countries. This heroic resistance occurred in the ghetto of what eastern European capital, for 10 points?

Answer: Warsaw, Poland

3. He introduced the categories of vertebrate and invertebrate and was probably the most respected proponent of evolution in the nineteenth century. Today he is considered something of a quack. For 10 points--who was this French nobleman who championed the cause of inheritable acquired characteristics?

Answer: Jean Baptiste Lamarck

4. During World War I a Russian aviator, Captain Roskovitsky, startled the world by reporting that he had spotted the shape of a huge ship's hull embedded in a glacier atop a 17,000-foot mountain in eastern Turkey. FTP--name that mountain--the traditional landing place of Noah's Ark.

Answer: Mt. Ararat

5. In terms of per capita sales, it was the most spectacular sudden best-seller in American history--going through 100,000 copies in a mere ten weeks in 1776. For 10 points--name this then-seditious pamphlet by Thomas Paine.

Answer: Common Sense

6. In 1957 Drs. Alick Isaacs and Jean Lindenmann discovered a chemical released by cells infected by a virus. Other researchers quickly touted this substance as a cure-all for everything from cancer to warts. It does seem to work on warts but hasn't lived up to its earlier billing. For 10 points--name this naturally produced immune factor.

Answer: Interferon

7. Plato, in his *Timaeus* (tim-MAY-us) and *Critias*, described it as the site of Poseidon's Temple and an advanced civilization resplendent with silver and gold and hot and cold baths. For 10 points--name this mythical island which slipped beneath the seas.

Answer: Atlantis

8. This 1886 novel tells the tale of Michael Henchard, who becomes drunk and sells his wife and child to a sailor for five guineas. For 10 points--give the title, which describes the political office to which Henchard is elected in this Thomas Hardy novel.

Answer: The Mayor of Casterbridge

9. It ended in 1977, after ninety-four years of service, because of the decline in passengers. For 10 points--what railway service connected Paris and Istanbul?

Answer: The Orient Express

10. A rule of thumb warns against eating oysters in months without the letter "r" in their names. For 10 points--name these four forbidden and consecutive months.

Answer: May, June, July, August (any order)

11. This Italian cardinal was in the papal diplomatic service when he went to France and befriended Richelieu. Nine years later he became a French citizen and three years after that, on the death of Richelieu, became chief minister to Louis XIII and Louis XIV. For 10 points--name him.

Answer: Jules Mazarin

12. In a recent article, commentator George Will compared the long process of running for president to having an eagle nibbling your liver for thousands of years. For 10 points--the ever-knowledgeable Mr. Will was alluding to what mythological character who was chained to a mountain?

Answer: Prometheus

13. Studies of Antarctic ice have proven that methane levels in our atmosphere have doubled in the past 200 years. For years no one knew why, but now it is believed that all of this excess methane has been produced by 240 quadrillion little insects which release methane when they digest wood. For 10 points--what are these often destructive insects?

Answer: Termites

14. His first commercial success was a book of letters for all occasions which could be recopied with appropriate names in the blanks. Letter #138 in his book was entitled "A Father to a Daughter in Service on Hearing of her Master's attempting her virtue"--a sample letter which he later turned into the world's first epistolary novel, *Pamela*. For 10 points--name this writer?

Answer: Samuel Richardson

15. Publisher Herbert Bayard Swope coined this two-word phrase in a speech he wrote for Bernard Baruch in 1947, whereupon columnist Walter Lippmann picked up on and popularized the phrase to describe the semi-belligerency obtaining since World War II between the U.S. and the U.S.S.R. For 10 points--what is this frosty term?

Answer: Cold War

16. On June 28, 1863 he received a letter from Abraham Lincoln putting him in command of the Army of the Potomac, replacing Joseph Hooker. One week later he beat Lee at Gettysburg. For 10 points--name the general.

Answer: George Meade

17. Van Gogh is associated with sunflowers. This artist is associated with water-lillies, those of his pond at Giverny, France. In 1872 he painted the work which named an entire art movement. For 10 points--who painted *Impression, Sunrise*?

Answer: Claude Monet (not Manet)

18. Infants require at least ten micromilligrams of it every day but adults can get by with half that much. For 10 points--what is this fat-soluble vitamin necessary for absorption of calcium and phosphorus?

Answer: Vitamin D or Calciferol

19. If you run across a December 23, 1823 copy of the Troy (NY) *Sentinel* newspaper, KEEP IT! It contains the first copy of a ballad written by the author "to amuse his children." For 10 points--name this composition by Clement C. Moore.

Answer: A Visit From St. Nicholas or Twas the Night Before Christmas)

20. Yasser Arafat has little in common with Hannibal, except that the headquarters of the PLO are located in the same modern-day nation as the ruins of the city of Carthage. For 10 points--what North African nation is it?

Answer: Tunisia

21. After passage of the Fugitive Slave Act, she declared, "I don't trust Uncle Sam with my people no longer," and conducted escaped slaves all the way to Canada. For 10 points--who was nicknamed the "Moses of her people"?

Answer: Harriet Tubman

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Bonuses
Round Six

1. (30 points) Assume that the determinant of a matrix A is twenty. For 10 points each--state the value of the determinant after each of the following operations on the original matrix is performed (Note: the operations are not cumulative):
 - a. Rows three and four are interchanged Answer: -20 (minus twenty)
 - b. Each value in row one is multiplied by three Answer: 60
 - c. The values in column four are replaced by a copy of the values in column seven Answer: Zero

2. (30 points) Mt. Vesuvius has erupted fifteen times in the last two centuries. How much do you know about it? FTP each:
 - a. What major Italian city does it overlook? Answer: Naples
 - b. In what year did its most famous eruption kill Pliny the Elder? Answer: 79 AD
 - c. Finally, name two of the three cities buried by the 79 AD eruption. Answer: Pompeii, Herculaneum, or Stabiae

3. (30-20-10) Thirty points are yours for identifying this person after the first clue; 20 after the second; or 10 after all three.
 - a. He died in the sinking of the yacht *Don Juan* on July 8, 1822.
 - b. His final voyage was a return trip from settling his friend Leigh Hunt in his friend Lord Byron's house in Pisa, Italy.
 - c. He was only 29 when he died but had international fame with such poems as "Ode to the West Wind" and "Ozymandias."
Answer: Percy Bysshe Shelley

4. (20 points) Two hundred years ago, 39 delegates signed the new Constitution of the United States. For 10 points apiece:
 - a. Which of the original 13 states sent no delegates to the Constitutional Convention?
Answer: Rhode Island
 - b. Of the twelve states which did attend, only one, New York, had a single delegate sign. Name him.
Answer: Alexander Hamilton

5. (20 points) W. Somerset Maugham's fame rests primarily on four books: *Of Human Bondage*, *Cakes and Ale*, *The Moon and Sixpence*, and *The Razor's Edge*. I'll provide a brief description, you match it with the work, for 5 points each:
 - a. Charles Strickland neglects duty for art on the island of Tahiti. Answer: The Moon and Sixpence
 - b. Philip Carey, a club-footed orphan, gives up his aspirations and becomes a doctor. Answer: Of Human Bondage
 - c. Rosie Driffield is a barmaid married to a writer who resembles Thomas Hardy. Answer: Cakes and Ale
 - d. Larry Darrell learns the value of non-attachment in an Indian commune. Answer: The Razor's Edge

6. (30 points) Many of Shakespeare's plays have Italian settings. Fifteen points for each pair--name the two Shakespeare plays set in:
 - a. Verona Answer: Two Gentlemen of Verona and Romeo and Juliet
 - b. Venice Answer: The Merchant of Venice and Othello

7. (30 points) The Yazoo land fraud was one of the original flim-flams. How much do you know about it? FTP each:
 - a. In which present-day U.S. state was the Yazoo land located? Answer: Mississippi
 - b. Which state's legislature sold the land in 1795? Answer: Georgia
 - c. In which 1810 Supreme Court case did John Marshall uphold the land grant? Answer: Fletcher v. Peck

8. (20 points) This question is as easy as ABCD. For 5 points each--whose gas laws are described as follows:
 - a. Equal volumes of different gases under the same conditions contain the same number of moles.
Answer: Avogadro's
 - b. When a gas is compressed at constant temperature, the product of the pressure and the volume remains constant.
Answer: Boyle's
 - c. The volume of a gas sample at constant pressure is directly proportional to its absolute temperature.
Answer: Charles'
 - d. The total pressure in a container is equal to the sum of the partial pressures of the component gases.
Answer: Dalton's

9. (30 points) Jules Verne is considered by some to be a father of modern science-fiction. He also apparently like numbers. For 10 points each--name the three Verne novels with numbers in their titles.
Answer: Five Weeks in a Balloon, Around the World in Eighty Days, and Twenty Thousand Leagues Under the Sea

10. (30 points) IBM is International Business Machines. FTP each--what do these other "BM" abbreviations stand for:
 - a. Your school's BMOG. Answer: Big Man on Campus
 - b. The snazzy German import called a BMW. Answer: Bavarian Motor Works
 - c. In biology, the minimum amount of energy needed to maintain life functions, BMR. Answer: Basal Metabolic Rate

11. (30 points) The end point of an acid-base titration is established by observing a change in color in an acid-base indicator. For 10 points each:

- a. What color does bromthymol blue turn as the pH turns acidic? Answer: Yellow
- b. What color does methyl red turn as the pH turns basic? Answer: Yellow
- c. What color does phenolphthalein (FEE-nol-THAY-leen) turn as the solution turns basic? Answer: Pink

12. (30 points) George Washington's presidential cabinet had only four members, while Ronald Reagan's has thirteen. For 10 points each--which 20th century president added these new cabinet departments:

- a. Departments of Energy and Education Answer: Jimmy Carter
- b. Department of Health, Education, and Welfare Answer: Dwight Eisenhower
- c. Departments of Transportation and Housing and Urban Development Answer: Lyndon Johnson or LBJ

13. (25 points) The Marines are looking for a few good men. The Navy may have found them. For 5 points each--which naval heroes offered these memorable quotations:

- a. I have not yet begun to fight. Answer: John Paul Jones
- b. You may fire when you are ready Gridley. Answer: George Dewey
- c. England expects every man to do his duty. Answer: Lord Horatio Nelson
- d. Don't give up the ship. Answer: James Lawrence
- e. We have met the enemy and they are ours. Answer: Oliver H. Perry

14. (20 points) Throughout history, secret societies have been used to organize individuals for revolution or nationalist purposes. For 5 points each--in which countries were these secret societies active?

- a. the Carbonari Answer: Italy
- b. the Decembrists Answer: Russia
- c. the Molly Maguires Answer: United States
- d. the Fenian Brotherhood Answer: Ireland, U.S., or Britain

15. (30-20-10) Thirty points are yours for identifying this flower on the first clue; 20 on the second; or 10 on the third.

- a. If it is yellow with red markings, it's called a "bizarre," while if it's white with rose markings, it's called a "rose."
- b. Its varieties include Prince of Austria, White Hawk, and Pride of Haarlem.
- c. In the 1630's speculation in this flower led to a financial collapse in Holland.

Answer: Tulip

16. (30 points) A quiz bowl question of the early 1960's might well have asked for the only two planets which do not revolve on their axes. It was not until 1965 that radar mapping proved that these two planets do indeed revolve--albeit slowly.

- 1. For 10 points each--what are these two planets?
Answer: Mercury and Venus
- 2. For an additional 10 points--what planet's axis is tipped 98 degrees to its orbital plane.
Answer: Uranus

17. (25 points) There are five major instruments of the woodwind family. For 5 points each--name them.

Answer: Flute, Oboe, Bassoon, Clarinet, Saxophone

18. (20 points) A man who has been knighted by the Queen of England is called "Sir." For 10 points each:

- a. What title is bestowed upon a woman who is knighted? Answer: Dame
- b. What word would you place in front of the name of a knight who had been made a baron? Answer: Lord

19. (20 points) The Carboniferous Period of the Paleozoic Era is divided into two sub-periods, each named for a U.S. state. For 10 points apiece--name these two sub-periods or states.

Answer: Mississippi or Mississippian and Pennsylvania or Pennsylvanian

20. (30-20-10) Thirty points are yours for naming this language on the first clue; 20 on the second; or 10 if on the third.

- a. It is the only language in the world with a monument constructed in its honor.
- b. Without this language, "Star Trek" would have been something like "Star Voyage."
- c. Its most frequently heard contribution to the English is the word "Apartheid."

Answer: Afrikaans